



Atty. Dkt. No. 041129-0110  
Appl. No. 10/553,417

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: John Patrick FITZGERALD et al.  
Title: PSEUDO-RANDOM BINARY SEQUENCE  
GATE-SWITCHING FOR SPECTROMETERS  
Appl. No.: 10/553,417  
Filing Date: 10/17/2005  
Examiner: Phillip A. JOHNSTON  
Art Unit: 2881  
Confirmation Number: 1526

**AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.116**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Final Office Action dated April 3, 2008, concerning the above-referenced patent application. Applicants have enclosed with this response a Petition for Extension of Time to make it timely.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks** begin on page 4 of this document.

Please amend the application as follows: